

Mohamed Taki Eddine Abedesselam

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University of Camerino, Italy

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Education

University of Rome Tor Vergata, University of Camerino, Italy, PhD Student in Blockchain and Distributed Ledger Technologies	Jan 2024 – present
University of Batna 2, Algeria, Master Degree in Cryptography and Security	Sep 2021 – Jul 2023
University Mohamed Khider Biskra, Algeria, Bachelor Degree in Computer Science	Sep 2017 – Jul 2021

Languages

- Arabic **Mother tongue**
- English **Intermediate**
- French **Intermediate**

Programming Skills

C, C++, Python, Solidity, Java, JavaScript, HTML & CSS

Research Interests

- P2P networks
- Random Graphs
- Randomized Algorithms
- Distributed systems
- Distributed Ledger Technologies
- Cryptocurrency

Publications

1. Abedesselam, T. E., Giacomelli, F., and Pasquale, F., “Disassortative dynamic BA models inspired by the Bitcoin Lightning Network,” in *2025 IEEE International Conference on Pervasive Computing and Communications Workshops and other Affiliated Events (PerCom Workshops)*, pp. 19–24, Mar. 2025. doi: [10.1109/PerComWorkshops65533.2025.00035](https://doi.org/10.1109/PerComWorkshops65533.2025.00035)

Preprints

1. Abedesselam, M. T. E., Giacomelli, F., and Pasquale, F., and Salvi M., “Payment-failure times for random Lightning paths” . arXiv: [2511.16376\[cs.NI\]](https://arxiv.org/abs/2511.16376). URL: <https://arxiv.org/abs/2511.16376>

Talks

Payment-failure times for random Lightning paths.7th Conference on Blockchain Research & Applications for Innovative Networks and Services.

Zurich,CH
Nov 2025

Workshops

National PhD Programme In Blockchain and Distributed Ledger Technology

Cagliari,IT
Jul 2025

Computational Aspects of Complex Networks

Rome,IT
Dec 2024

National PhD Programme In Blockchain and Distributed Ledger Technology

Palermo,IT
Jun 2024

Schools

CyberDI 2025 - Advanced Techniques in Digital Identity

Tropea,IT
Oct 2025